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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/574,102 06/08/2006		Bent Severin	66722086 7421	
25269 DYKEMA GOS	7590 04/05/200 SSETT PLLC	EXAMINER		
FRANKLIN SQ	UARE, THIRD FLO	PENDLETON, DIONNE		
1300 I STREET, NW WASHINGTON, DC 20005			ART UNIT	PAPER NUMBER
		2615		
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SHORTENED STATUTORY	Y PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE	
3 MON	NTHS	04/05/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

		Application	n No.	Applicant(s)				
Office Action Summary		10/574,102	2	SEVERIN, BENT				
		Examiner		Art Unit				
		Dionne H. F	² endleton	2615				
Period fo	The MAILING DATE of this communication r Reply	n appears on the	cover sheet with the c	orrespondence ad	ldress			
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).								
Status								
1)□	Responsive to communication(s) filed on	08 June 2006.	•					
2a)□	This action is FINAL . 2b)⊠ This action is non-final.							
3)								
,—	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Disposition of Claims								
4)🖂	Claim(s) 1-5 is/are pending in the applicat	tion						
-	4a) Of the above claim(s) <u>n/a</u> is/are withdrawn from consideration.							
	Claim(s) is/are allowed.		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
	6)⊠ Claim(s) <u>1-5</u> is/are rejected.							
	Claim(s) is/are objected to.		•					
	Claim(s) are subject to restriction a	and/or election re	guirement.					
	on Papers		1					
	•							
-	The specification is objected to by the Exa		\ <u>\</u>					
10)⊠ The drawing(s) filed on <u>6/8/2006</u> is/are: a)⊠ accepted or b)□ objected to by the Examiner.								
	Applicant may not request that any objection to							
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).								
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.								
Priority u	inder 35 U.S.C. § 119							
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:								
	1. Certified copies of the priority documents have been received.							
	2. Certified copies of the priority documents have been received in Application No							
	3. Copies of the certified copies of the priority documents have been received in this National Stage							
* \$	application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.							
occurs attached detailed Office action for a list of the certified copies not received.								
				·				
Attachment	i(a)			•				
1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413)								
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) Paper No(s)/Mail Date								
3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 3/31/2006. 5) Notice of Informal Patent Application 6) Other:								
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Application/Control Number: 10/574,102

Art Unit: 2615

DETAILED ACTION

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

1. Claim 5 recites the limitation "the subassembly" in line 4. There is insufficient antecedent basis for this limitation in the claim.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. Claims 1-5 are rejected under 35 U.S.C. 103(a) as being unpatentable over Killion (US 3,835,263) in view of Killion (US 6,876,749).

Regarding claim 1,

in **figure 4**, Killion '263 teaches a hearing aid **36** for placement behind the ear lobe of a hearing aid user, comprising a top shell (see upper perimeter of housing) and a bottom shell part (see lower perimeter of housing), and further wherein the top shell includes sound inlet opening(s) **40** (*column 4*, *lines 31-32*), and the bottom shell part is shown in **figure 4** as providing a mounting support for a microphone assembly **35**.

Killion '263 does not clearly teach that the hearing aid has a rigid circuit board **59** and a suspension **35** for holding the microphone, and whereby the microphone suspension **35** comprises fixing means **109,111** for attachment thereof to the circuit board **59**.

However, In **Figure 2A**, Killion '749 teaches a hearing aid, where the hearing aid has a rigid circuit board **59**, a microphone **41** and a suspension **35** for holding the microphone, and whereby the microphone suspension **35** comprises fixing means **109,111** for attachment thereof to the circuit board **59**.

It would have been obvious for one of ordinary skill in the art at the time of the invention to substitute the microphone assembly of Killion '749 for that of Killion '263, thereby providing flexibility in choosing the frequency response of the microphone, as well as a less acoustically complex assembly having omni-directional and directional modes of operation.

Regarding claim 2,

Figure 2A of Killion '749 teaches a sound canal **47,49** between microphone **41** and the sound inlet opening **77,79** in the top shell.

Regarding claim 3,

Killion '749 teaches that the fixing means **109,111** are arranged adjacently to the sound canal, as broadly claimed.

Regarding claim 4,

Killion '749 teaches that the fixing means **109,111** comprise recessed portions, reading on "aperture" for receiving a projecting part (edges members) of the circuit board.

Application/Control Number: 10/574,102 Page 4

Art Unit: 2615

Regarding claim 5,

The combined teachings of Killion '263 and Killion '749 inherently teach the method for producing the hearing aid according to claim 1, whereby the circuit board 59, microphone suspension 35 and microphone 41 are initially assembled and secondly electric wire 65 connections between the microphone and the circuit board are provided whereupon the subassembly is placed in a housing (*article 36 of Killion '263*) having a top and bottom shell such that the sound inlets inherently connect with the sound canal of the microphone suspension.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dionne H. Pendleton whose telephone number is 571-272-7497. The examiner can normally be reached on 9-5:30 M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sinh Tran can be reached on 571-272-7564. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Application/Control Number: 10/574,102

Art Unit: 2615

Page 5

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D. Pendleton

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SUPERVICENY PARENT EXAMINER
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